



ALAN THOMAS

DevOps & Cloud Engineer | Kubernetes | AWS | Terraform | CI/CD

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🗣 <https://medium.com/@alanthecloudarchitect>

🐙 github.com/ALANTHOMAS98

📄 PROFESSIONAL SUMMARY

DevOps Engineer with 3+ years of experience designing secure, scalable cloud infrastructure on AWS and Azure. Skilled in Docker, Kubernetes, Terraform, and CI/CD pipelines, with a strong focus on automation, cost optimization, and system hardening. I specialize in delivering secure and scalable cloud-native systems, consistently driving automation and reliability across deployments. Open to relocation: UAE | Europe | Remote.

🛠 WORK EXPERIENCE

06/2025 – present
Remote

Pilvera Infotech Solutions

Founder & IT Consultant

- Designed and simulated **5+ cloud-native architectures** targeting **>99.9% uptime** and **rapid deployment**
- Built **CI/CD templates** using **GitLab CI**, **Docker**, and **Terraform**, reducing setup time by **40%**
- Developed internal **delivery and uptime metrics**, improving **incident detection** speed by **15%**

06/2025 – present
Remote

Nexiva Services

Senior DevOps Engineer

- Architected **5+ cloud-native CI/CD pipelines** on Kubernetes (EKS/AKS), cutting **deployment time by 60%** and increasing release frequency by **3x**.
- Led Terraform and Helm-based infra automation, reducing manual errors by **85%** and enabling consistent IaC provisioning across environments.
- Collaborated with cross-functional teams to implement **cost-optimized CI/CD workflows**, saving **~\$10K/year** in cloud infrastructure expenses.

04/2021 – 08/2023
Trivandrum, India

Polus Solutions

DevOps Engineer

- Received **Spot Award (Sep 2022)** for automating deployment pipelines, achieving an **80% reduction in release time**.
- Deployed containerized services via Kubernetes (EKS/AKS), maintaining **99.9% uptime** for production environments.
- Improved incident response times by **50%** through ELK & Nagios integration and real-time alerting with Prometheus & Grafana.
- Hardened security posture with **Fortinet firewall setup** and OS-level lockdown, reducing vulnerability exposure by **70%**.
- Integrated Shibboleth SSO and Active Directory, enhancing user authentication security and simplifying access control for **50+ users**.

PROJECTS

08/2024 – 08/2024

Serverless Web Application on AWS

- Developed a **fully serverless To-Do app** using **AWS Lambda** and **API Gateway**, eliminating the need for server management and achieving **100% operational overhead reduction**.
- Integrated **AWS DynamoDB with auto-scaling**, achieving **<100ms latency** for 500+ simulated user requests, ensuring high scalability and reliability.
- Used **CloudFormation** for **100% IaC-based deployments**, cutting manual setup effort by **90%** and boosting repeatability.
- Set up **real-time observability with CloudWatch**, improving incident detection speed by **50%** through actionable logs and alarms.
- Enforced **IAM least-privilege policies**, enhancing access security and reducing misconfigurations by **70%**.

EDUCATION AND TRAINING

09/2023 – Present
Riga, Latvia

MASTERS IN TELECOMMUNICATION TECHNOLOGIES AND NETWORKS MANAGEMENT

Riga Technical University

- Specializing in **Internet Routing Security** with a research focus on **BGP Hijacking and Route Leak Analysis** to improve the resilience of global internet infrastructure.
- Delivered a **DevOps & Cloud workshop** attended by **30+ students**.

08/2016 – 08/2020
Kerala, India

BACHELORS OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION

APJ Abdul Kalam Technological University

- Acted as **Student Coordinator (ECE)** for 100+ peers, leading communication and coordination for **10+ academic and extracurricular events**.
- **Led a national-level competition (Navritri 2020)** with participation from **20+ universities**, enhancing technical leadership and project planning skills.
- As **Active Member of NSS, IEEE, and IEDC**, contributed to **5+ technical initiatives** and **3+ community outreach programs** improving team collaboration and visibility.

SKILLS

Cloud

AWS (EKS, EC2, S3, Route53, CloudFormation),
Azure (AKS), basic GCP

CI/CD

Jenkins, GitLab CI, ArgoCD, GitHub Actions

Security

IAM, Fortinet, Firewall (Linux/Windows), SSO
(Shibboleth), VPC Security, SSL/TLS

Tools

Git, VS Code, Jira, Postman, VMware, VirtualBox

Containers & IaC

Docker, Kubernetes, Helm, Terraform, Ansible, AWS
CDK

Monitoring & Observability

ELK Stack, Prometheus, Grafana, Nagios,
CloudWatch

Scripting/Automation

Bash, Git, Linux/Windows Admin, basic Python

LANGUAGE SKILLS

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ENGLISH

EF SET English Certificate – CEFR Level C2
(Proficient)

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